

CLAIMS

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1. (currently amended): A method for securely providing material to a licensee of the material, comprising:

providing at least one license key to a licensee of material;

providing said material in at least one MPEG-4 bit stream encrypted with at least one content key to said licensee; and

providing said at least one content key encrypted with said at least one license key to said licensee in an IPMP stream provided along with said material.

2. (original): The method according to claim 1, further comprising providing a license authorizing said licensee to use said material.

3. (original): The method according to claim 2, wherein said license includes a plurality of usage rights for using said material.

4. (original): The method according to claim 2, wherein said at least one license key is provided along with said license to said licensee.

5. (original): The method according to claim 1, wherein said providing at least one license key to a

licensee of material, comprises providing said at least one license key encrypted with a public key of said licensee to said licensee.

6. (original): The method according to claim 1, wherein said at least one license key and said material encrypted with said at least one content key are provided by transmitting them through different communication channels to said licensee.

7. (canceled)

A² 8. (currently amended): The method according to claim 17, wherein said at least one content key encrypted with said at least one license key and said material encrypted with said at least one content key are provided by transmitting them over an authenticated secure channel to said licensee.

9. (original): The method according to claim 1, wherein said providing said material encrypted with at least one content key to said licensee, comprises encrypting said material in real-time with said at least one content key and providing said material encrypted with said at least one content key to said licensee by transmitting it as streaming media.

10. (canceled)

11. (canceled)

12. (currently amended): The method according to claim 111, wherein said at least one content key encrypted with said at least one license key is mapped to corresponding portions of said material included in said at least one MPEG-4 bit stream encrypted with said at least one content key, by IPMP descriptors associated with said corresponding portions.

A3 13. (currently amended): The method according to claim 111, wherein said at least one content key includes a plurality of content keys for encrypting and decrypting corresponding portions of said material.

14. (currently amended): The method according to claim 111, wherein said at least one content key includes a plurality of content keys for encrypting and decrypting corresponding time periods of said material.

15. (original): The method according to claim 14, wherein said plurality of content keys are used one-at-a-time in a predetermined fashion for encrypting and decrypting said corresponding time periods of said material.

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16. (currently amended): The method according to claim 111, wherein said at least one license key includes a plurality of license keys for encrypting and decrypting said at least one content key.

17. (original): The method according to claim 16, wherein said plurality of license keys are used one-at-a-time in a predetermined fashion for encrypting and decrypting said at least one content key.

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18. (currently amended): An apparatus for securely providing material to a licensee of the material, comprising at least one server configured to:

transmit at least one license key to a client device operable by a licensee of material;

transmit said material in at least one MPEG-4 bit stream encrypted with at least one content key to said client device; and

transmit said at least one content key encrypted with said at least one license key to said client device in an IPMP stream provided along with said material.

19. (original): The apparatus according to claim 18, wherein said at least one server is further configured to transmit a license authorizing said licensee to use said material.

20. (original): The apparatus according to claim 19, wherein said license includes a plurality of usage rights for using said material.

A6 21. (currently amended): The apparatus according to claim 1816, wherein said at least one server is further configured to establish an authenticated secure channel with said client device and transmit said at least one license key along with said license to said client device over said secure channel.

22. (original): The apparatus according to claim 18, wherein said at least one server comprises a license server configured to transmit said at least one license key to said client device, and a data providing server configured to transmit said material encrypted with at least one content key and said at least one content key encrypted with said license key, to said client device.

23. (canceled)

24. (canceled)

A7 25. (currently amended): The apparatus according to claim 1824, wherein said at least one content key encrypted with said at least one license key is mapped to corresponding portions of said material included in said at least one MPEG-4 bit stream encrypted with said at least

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one content key, by IPMP descriptors associated with said corresponding portions.

26. (currently amended): The apparatus according to claim 1823, wherein said at least one content key includes a plurality of content keys for encrypting and decrypting corresponding portions of said material.

27. (currently amended): The apparatus according to claim 1823, wherein said at least one content key includes a plurality of content keys for encrypting and decrypting corresponding time periods of said material.

28. (original): The apparatus according to claim 27, wherein said plurality of content keys are used one-at-a-time in a predetermined fashion for encrypting and decrypting said corresponding time periods of said material.

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29. (currently amended): The apparatus according to claim 1824, wherein said at least one license key includes a plurality of license keys for encrypting and decrypting said at least one content key.

30. (original): The apparatus according to claim 29, wherein said plurality of license keys are used one-at-a-time in a predetermined fashion for encrypting and decrypting said at least one content key.

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31. (currently amended): A system for securely providing material to a licensee of the material, comprising:

a client device operable by a licensee of material; and

at least one server configured to transmit at least one license key, said material in at least one MPEG-4 bit stream encrypted with at least one content key, and said at least one content key encrypted with said at least one license key to said client device in an IPMP stream provided along with said material.

32. (original): The system according to claim 31, wherein said at least one server is further configured to transmit a license authorizing said licensee to use said material to said client.

33. (original): The system according to claim 32, wherein said license includes a plurality of usage rights for using said material.

34. (original): The system according to claim 32, wherein said at least one server is further configured to establish an authenticated secure channel with said client device and transmit said at least one license key along with said license to said client device over said secure channel.

35. (original): The system according to claim 31, wherein said at least one server comprises a license server configured to transmit said at least one license key to said client device, and a data providing server configured to transmit said encrypted material and said encrypted at least one content key to said client device.

36. (canceled)

37. (canceled)

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38. (currently amended): The system according to claim 3137, wherein said at least one content key encrypted with said at least one license key is mapped to corresponding portions of said material included in said at least one MPEG-4 bit stream encrypted with said at least one content key, by IPMP descriptors associated with said corresponding portions.

39. (currently amended): The system according to claim 3136, wherein said at least one content key includes a plurality of content keys for encrypting and decrypting corresponding portions of said material.

40. (currently amended): The system according to claim 3136, wherein said at least one content key includes a plurality of content keys for encrypting and decrypting corresponding time periods of said material.

41. (original): The system according to claim 40, wherein said plurality of content keys are used one-at-a-time in a predetermined fashion for encrypting and decrypting said corresponding time periods of said material.

A 42. (currently amended): The system according to claim 31~~37~~, wherein said at least one license key includes a plurality of license keys for encrypting and decrypting said at least one content key.

43. (original): The system according to claim 42, wherein said plurality of license keys are used one-at-a-time in a predetermined fashion for encrypting and decrypting said at least one content key.

44. (original): The system according to claim 31, wherein said client device is configured to:

decrypt said encrypted at least one content key using said license key; and

decrypt said encrypted material using said decrypted at least one content key.

45. (original): The system according to claim 44, wherein said client is further configured to receive said license key along with a license authorizing said licensee to use said material from said at least one server.

46. (original): The system according to claim 45, wherein said license includes a plurality of usage rights for using said material.

47. (original): The system according to claim 46, wherein said client is further configured to use said material only in accordance with said plurality of usage rights of said license.

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48. (currently amended): A method for securely providing material to a licensee of the material, comprising:

providing a license to use material and a license key corresponding to said license;

providing said material in at least one MPEG-4 bit stream encrypted with a content key; and

providing said content key encrypted with said license key in an IPMP stream provided along with said material.

49. (original): The method according to claim 48, wherein said license includes a plurality of usage rights for using said material.

50. (canceled)

51. (original): The method according to claim 48, wherein said license, said license key, said encrypted material, and said encrypted content key are provided by electronically transmitting them to a client requesting said material.

A¹³ 52. (currently amended): A method for securely providing material to a licensee of the material, comprising:

receiving a license to use material and a license key corresponding to said license;

receiving said material in at least one MPEG-4 bit stream encrypted with a content key;

receiving said content key encrypted with said license key in an IPMP stream provided along with said material;

decrypting said encrypted content key using said license key; and

decrypting said encrypted material using said decrypted content key.

53. (original): The method according to claim 52, wherein said license includes a plurality of usage rights for using said material.

54. (original): The method according to claim 52, wherein said encrypted content key is received with said encrypted material.

55. (original): The method according to claim 52, wherein said license, said license key, said encrypted material, and said encrypted content key are received electronically.